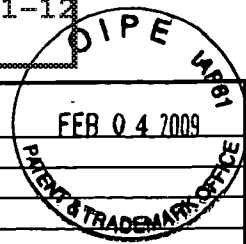


Considered but examiner but NPL, pg. 4, line 4, pg. 5, lines 11-12 are missing years/dates. See IDS statement in Allowance.



IDS Form PTO/SB/08: Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	10/706,066	
			Filing Date	November 12, 2003	
			First Named Inventor	Erol Bozak	
			Art Unit	2444	
			Examiner Name	Umar Cheema	
Sheet	1	of	7	Attorney Docket Number	09700.0031-00

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No.	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			
		2001/0049594	12/6/2001	Klevans	
		2001/0054034	12/20/2001	Arning et al.	
		2002/0019844	2/14/2002	Kurowski et al.	
		2002/0167954	11/14/2002	Highsmith et al.	
		2002/0194251	12/19/2002	Richter et al.	
		2003/0003068	1/2/2003	Nickel et al.	
		2003/0041130	2/27/2003	Harrisville-Wolff et al.	
		2003/0041142	2/27/2003	Zhang et al.	
		2003/0088580	5/8/2003	Desai et al.	
		2003/0093528	5/15/2003	Rolia	
		2003/0101331	5/29/2003	Boylan et al.	
		2003/0126196	7/3/2003	Lagimonier et al.	
		2003/0126265	7/3/2003	Aziz et al.	
		2003/0197726	10/23/2003	Weitzman	
		2004/0179481	9/16/2004	Graupner	
		2004/0255291	12/16/2004	Sierer et al.	
		2004/0261053	12/23/2004	Dougherty et al.	
		2004/0268147	12/30/2004	Wiederin et al.	
		2004/0268293	12/30/2004	Woodgeard	
		2005/0015437	1/20/2005	Strait	
		2005/0015643 A1	1/20/2005	Davis et al.	
		2005/0027812	2/3/2005	Bozak et al.	
		2005/0027813	2/3/2005	Bozak et al.	
		2005/0027843	2/3/2005	Bozak et al.	
		2005/0027864	2/3/2005	Bozak et al.	
		2005/0027865	2/3/2005	Bozak et al.	
		2005/0044251	2/24/2005	Bozak et al.	
		2005/0060272	3/17/2005	Lin	

Examiner Signature	/Umar Cheema/ (07/30/2009)	Date Considered	07/30/2009
--------------------	----------------------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /U.C./

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/706,066	
			Filing Date	November 12, 2003	
			First Named Inventor	Erol Bozak	
			Art Unit	2444	
Examiner Name	Umar Cheema				
Sheet	2	of	7	Attorney Docket Number	09700.0031-00

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS						
Examiner Initials	Cite No.	Document Number		Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)				
		2005/0076105		4/7/2005	Keohane et al.	
		2005/0076339		4/7/2005	Merril et al.	
		2005/0131898		6/16/2005	Fatula, Jr.	
		2005/0138156		6/23/2005	Gebhart et al.	
		2005/0138618		6/23/2005	Gebhart	
		2005/0149294		7/7/2005	Gebhart	
		2005/0160107		7/21/2005	Liang	
		2005/0165912		7/28/2005	Colbeck et al.	
		2005/0235055		10/20/2005	Davidson	
		2006/0005181		1/5/2006	Fellenstein et al.	
		2006/0015285		1/19/2006	Fuller et al.	
		2006/0075070		4/6/2006	Merissert-Coffinieres et al.	
		2006/0136506		6/22/2006	Gebhart et al.	
		2006/0168158		7/27/2006	Das	
		2006/0168174		7/27/2006	Gebhart et al.	
		2008/0052729		2/28/2008	Paul et al.	
		5,276,789		1/4/1994	Besaw et al.	
		5,440,722		8/8/1995	VanderSpek et al.	
		5,539,883		7/23/1996	Allon et al.	
		5,572,724		11/5/1996	Watanabe et al.	
		5,659,694		8/19/1997	Bibayan	
		5,699,532		12/16/1997	Barrett et al.	
		5,761,429		6/2/1998	Thompson	
		5,996,012		11/30/1999	Jarriel	
		6,009,455		12/28/1999	Doyle	
		6,061,505		5/9/2000	Pitchaikani et al.	
		6,098,108		8/1/2000	Sridhar et al.	
		6,182,086		1/30/2001	Lomet et al.	

Examiner Signature	/Umar Cheema/ (07/30/2009)	Date Considered	07/30/2009
--------------------	----------------------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /U.C./

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/706,066	
			Filing Date	November 12, 2003	
			First Named Inventor	Erol Bozak	
			Art Unit	2444	
Examiner Name	Umar Cheema				
Attorney Docket Number	09700.0031-00				
Sheet	3	of	7		

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No.	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			
		6,209,018	3/27/2001	Ben-Shachar et al.	
		6,226,675	5/1/2001	Meltzer et al.	
		6,256,740	7/3/2001	Muller et al.	
		6,289,382	9/11/2001	Bowman-Amuah	
		6,385,639	5/7/2002	Togawa	
		6,401,097	6/4/2002	McCotter et al.	
		6,453,349	9/17/2002	Kano et al.	
		6,466,980	10/15/2002	Lumelsky et al.	
		6,502,131	12/31/2002	Vaid et al.	
		6,615,278	9/2/2003	Curtis	
		6,628,304	9/30/2003	Mitchell et al.	
		6,650,347	11/18/2003	Nulu et al.	
		6,789,170	9/7/2004	Jacobs et al.	
		6,799,251	9/28/2004	Jacobs et al.	
		6,826,568	11/30/2004	Bernstein et al.	
		6,832,220	12/14/2004	Rahman	
		6,834,301	12/21/2004	Hanchett	
		6,859,834	2/22/2005	Arora et al.	
		6,912,587	6/28/2005	O'Neil	
		6,967,728	11/22/2005	Vidyanand	
		6,976,258	12/13/2005	Goyal et al.	
		7,010,596	3/7/2006	Bantz et al.	
		7,051,107	5/23/2006	Morikawa	
		7,096,248	8/22/2006	Masters et al.	
		7,130,891	10/31/2006	Bernardin et al.	
		7,171,470	1/30/2007	Doyle et al.	
		7,171,654	1/30/2007	Werme et al.	
		7,181,743	2/20/2007	Werme et al.	

Examiner Signature	/Umar Cheema/ (07/30/2009)	Date Considered	07/30/2009
--------------------	----------------------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /U.C./

IDS Form PTO/SB/08: Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			<i>Application Number</i>	10/706,066	
			<i>Filing Date</i>	November 12, 2003	
			<i>First Named Inventor</i>	Erol Bozak	
			<i>Art Unit</i>	2444	
			<i>Examiner Name</i>	Umar Cheema	
Sheet	4	of	7	<i>Attorney Docket Number</i>	09700.0031-00

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS						
Examiner Initials	Cite No.	Document Number		Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)				
		7,185,046		2/27/2007	Ferstl et al.	
		7,322,031		1/22/2008	Davis et al.	
		7,328,406		2/5/2008	Kalinoski et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation
		Country Code Number Kind Code (if known)					
		JP 08314872		11-29-1996	HITACHI TOHOKU SOFTWARE CO., LTD.		Yes

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation
		"Caching In on the Enterprise Grid Turbo-Charge Your Applications with OracleAS Web Cache," An Oracle Technical White Paper, << http://www.oracle.com/technology/products/ias/web_cache/pdf/WebCache1012_tw.p.pdf >>, February 7, 2006, 34 pages.	
		"eserver xSeries 335 Type 8676 User's Guide," February 2003, IBM Product User's Guide, Chapter 1, pages 1-12.	
		"hp blade server data sheet," HP Blade Server Data Sheet, November 2001, pp. 2-6.	
		"IBM eserver xSeries 335," Publication date unknown, IBM Data Sheet, accessed online at < http://www.ibm.com/servers/uk/eserver/xseries/literature/xseries_335.html >, 2 pages.	
		Allcock, et al., "GridMapper: A Tool for Visualizing the Behavior of Large-Scale Distributed Systems," Proceedings 11th IEEE International Symposium on High Performance Distributed Computing IEEE Comput. Soc., Piscataway, NJ, pp. 179-187, July 2002.	
		Ali et al., "Predicting the Resource Requirements of a Job Submission," California Institute of Technology, pp. 1-4, 2004.	
		Baldrige, Kim K. et al., "QMView and GAMESS: Integration into the World Wide Computational Grid," IEEE, pp. 1-25, 2002.	
		Braden, R. et al., "Resource ReSerVation Protocol (RSVP), Version 1 Functional Specification," August 12, 1996, 100 pages.	

Examiner Signature	/Umar Cheema/ (07/30/2009)	Date Considered	07/30/2009
--------------------	----------------------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /U.C./

IDS Form PTO/SB/08: Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			<i>Application Number</i>	10/706,066	
			<i>Filing Date</i>	November 12, 2003	
			<i>First Named Inventor</i>	Erol Bozak	
			<i>Art Unit</i>	2444	
			<i>Examiner Name</i>	Umar Cheema	
Sheet	5	of	7	<i>Attorney Docket Number</i>	09700.0031-00

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation
		Cactus 4.0, User's Guide, Rev. 1.45, Chapter D9, dated January 19, 2004 (3 pages).	
		Chase, Jeffrey S., et al., "Dynamic Virtual Clusters in a Grid Site Manager," High Performance Distributed Computing, 2003, Proceedings 12th IEEE International Symposium on June 22-24, 2003, pp. 90-100.	
		Czajkowski, Karl et al., "Resource Co-Allocation in Computational Grid: High-Performance Distributed Computing Archive," Proceedings of the 8th IEEE International Symposium on High Performance Distributed Computing Table of Contents, 1999, 11 pages.	
		Dubinsky et al., "A Flexible Rerouting Protocol in ATM Networks," IEEE Infocom '99, Conference on Computer Communications, Proceedings, 18th Annual Joint Conference of the IEEE Computer and Communications Societies, Vol. 3, pp. 1488-1496, March 1999.	
		El-Ghazawi, Tarek et al., "A Performance Study of Job Management Systems," Concurrency and Computation: Practice and Experience, John Wiley & Sons, Ltd., Pages 1229-1246, Vol. 16 Issue 13, October 2004.	
		European Examination Report, dated August 1, 2007, for corresponding EP Application No. 05 027 222.8 - 2211 (5 pages).	
		European Search Opinion, dated May 18, 2006, for corresponding EP Application No. 05 027 222.8 (5 pages).	
		European Search Report dated March 13, 2006 pertaining to Application No. 05027543.7 - 2211, 7 pages.	
		European Search Report dated March 15, 2006 pertaining to Application No. 05027221.0 - 2211, 10 pages..	
		European Search Report for Application No. 05027222.8, dated May 18, 2006 (9 pages).	
		Foster, Ian et al., "A Distributed Resource Management Architecture that Supports Advance Reservations and Co-allocation," IEEE 1999, pp. 27-36.	
		Foster, Ian et al., "A Grid Enabled MPI: Message Passing in Heterogeneous Distributed Computing System," Argonne National Laboratory, Argonne, IL; Northern Illinois University, DeKalb, IL, 9 pages.	
		Gawor et al., "CoG Kits: A Bridge Between Commodity Distributed Computing and High-Performance," Retrieved from the Internet: http://www-unix.mcs.anl.gov/~laszewsk/papers/cog-final.pdf , June 2000, 10 pages	

Examiner Signature	/Umar Cheema/ (07/30/2009)	Date Considered	07/30/2009
-----------------------	----------------------------	--------------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /U.C./

IDS Form PTO/SB/08: Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			<i>Application Number</i>	10/706,066	
			<i>Filing Date</i>	November 12, 2003	
			<i>First Named Inventor</i>	Erol Bozak	
			<i>Art Unit</i>	2444	
			<i>Examiner Name</i>	Umar Cheema	
Sheet	6	of	7	<i>Attorney Docket Number</i>	09700.0031-00

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation
		Goodale et al., "Checkpoint/Recovery in Cactus 4.0," October 16, 2002, 7 pages.	
		International Search Report for PCT/EP2004/008406, December 28, 2004, 7 pages.	
		International Search Report for PCT/EP2004/008407, January 19, 2005, 6 pages.	
		International Search Report for PCT/EP2004/008408, March 21, 2005, 16 pages.	
		International Search Report for PCT/EP2004/008409, December 29, 2004, 6 pages.	
		International Search Report for PCT/EP2004/008448, January 19, 2005, 7 pages.	
		International Search Report for PCT/EP2004/008449, January 19, 2005, 5 pages.	
		Jang et al., "A Path Based Internet Cache Design for GRID Application," Lecture Notes in Computer Science, December 2003, pp. 455-458.	
		Konya, B., "The NorduGrid Information System," Retrieved from the Internet: http://www.nordugrid.org/documents/ng-infosys.pdf , September 16, 2002, 28 pages.	
		Konya, B., et al., "The NorduGrid Architecture and Tools," Retrieved from the Internet: http://www.nordugrid.org , May 2003, 9 pages.	
		Lee et al., "visPerf. Monitoring Tool for Grid Computing," Retrieved from the Internet: http://icl.cs.utk.edu.projectsfiles/netsolve/pubs/visperf.pdf , pp. 1-13, June 2003.	
		Li et al., "Improving Performance via Computational Replication on a Large-Scale Computational Grid," Proceedings of the 3rd IEEE/ACM International Symposium on Cluster Computing and the Grid, 2003, pp. 1-7.	
		Limaye, K. et al., "Reliability-aware Resource Management for Computational Grid/Cluster environments," Grid Computing Workshop, 2005, pp. 211-218	
		Liu, et al., "Design and Evaluation of a Resource Selection Framework for Grid Applications," Proceedings 11th IEEE International Symposium on High Performance Distributed Computing IEEE Comput. Soc., Piscataway, NJ, pp. 63-72, July 2002.	
		Rajkumar Buyya; Nimrod/G., "An Architecture for a Resource Management and Scheduling System in a Global Computational Grid," IEEE Computer Society Press, USA, 2000, 7 pages.	
		Rajkumar, Buyya, "Economic-based Distributed Resource Management and Scheduling for Grid Computing," April 2002, 166 pages.	
		Nabrzyski Jared et al., "Grid Resource Management: State of the Art and Future Trends," [Online] September, 2003 (2003-09), 44 pages.	
		Sgaravatto et al., "Grid Checkpointing in the European DataGrid Project," October 16, 2002 (5 pages).	
		Tierney, et al., "White Paper: A Grid Monitoring Service Architecture (DRAFT), Retrieved from the internet http://citeseer.ist.psu.edu/530951.htm , February 2001, 12 pages.	

Examiner Signature	/Umar Cheema/ (07/30/2009)	Date Considered	07/30/2009
-----------------------	----------------------------	--------------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /U.C./

IDS Form PTO/SB/08: Substitute for form 1449A/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			<i>Application Number</i>	10/706,066
			<i>Filing Date</i>	November 12, 2003
			<i>First Named Inventor</i>	Erol Bozak
			<i>Art Unit</i>	2444
			<i>Examiner Name</i>	Umar Cheema
			<i>Attorney Docket Number</i>	09700.0031-00
Sheet	7	of	7	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation
		Ting et al., "3LS: A Peer-to-Peer Network Simulator," Copyright September 2003, 3 pages.	
		U.S. Patent Application No. 12/326,441, filed December 2, 2008 entitled "Grid Organization, 43 pages.	
		Vadhiyar et al., "A Performance Oriented Migration Framework for the Grid," Proceedings of the Third IEEE/ACM International Symposium on Cluster Computing and the Grid IEEE Comput. Soc., Los Alamitos, CA, pp. 130-137, May 2003.	
		Von Laszewski et al., "InfoGram: A Grid Service that Supports Both Information Queries and Job Execution," 2002, Pages 333-342, IEEE Computer Society, Proceedings of the 11th IEEE International Symposium on High Performance Distributed Computing, (HPDC '02).	
		Von Laszewski, et al., "Designing Grid-based Problem Solving Environments and Portals," Proceedings of the 34th Annual Hawaii International Conference on System Sciences IEEE Comput. Soc., Los Alamitos, CA, pp. 1-10, January 2001.	
		Von Laszewski, et al., "Grid-Based Asynchronous Migration of Execution Context in Java Virtual Machines," Euro-Par 2000 Parallel Processing, 6th International Euro-Par Conference Proceedings, Lecture Notes in Computer Science, Vol. 1900, pp. 22-34, September 2000.	
		Waananen, et al., "An Overview of an Architecture Proposal for a High Energy Physics Grid," Applied Parallel Computing, Advanced Scientific Computing, 6th International Conference, pp. 76-86, June 2002.	
		Walsh, et al., "Staged Simulation for Improving Scale and Performance of Wireless Network Simulations," Institute of Electrical and Electronics Engineers, Proceedings of the 2003 Winter Simulation Conference, New Orleans, December 7-10, 2003, IEEE, Vol.2 of 2, pp. 667-675.	
		Zhang et al., "Fault-tolerant Grid Services Using primary-Backup: Feasibility and Performance," Cluster Computing, 2004 IEEE International Conference, San Diego, CA September 20-23, 2004, pp. 105-114.	

Examiner Signature	/Umar Cheema/ (07/30/2009)	Date Considered	07/30/2009
-----------------------	----------------------------	--------------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /U.C./